

Notice of Allowability

Application No.

10/635,085

Examiner

Leslie J. Evanisko

Applicant(s)

GOSS, DUKE W.

Art Unit

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendments filed 09/16/05 & 10/17/05 and the telephone interview on 12/09/2005.
2. ☒ The allowed claim(s) is/are 12,16-30,32,34,35 and 37-44.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

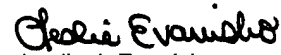
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 09-16-2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


Leslie J. Evanisko
Primary Examiner
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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Delbert Barnard (reg. no. 20,515) on December 9, 2005.

The application has been amended as follows:

IN THE TITLE:

Please note the title of the invention has been changed by the Examiner to the following to more accurately reflect the claimed invention:

--SCREEN PRINTING MACHINE INCLUDING EXPOSURE UNIT--

IN THE ORIGINAL SPECIFICATION:

On page 2, line 2, the phrase "Application Serial No. 10/243,177" was deleted and replaced with --Patent No. 6,883,425 B2--.

On page 13, line 10, the term "84" was deleted and replaced with --IC3--.

On page 13, line 17, the term "84" was deleted and replaced with --IC3--.

On page 13, line 18, the term "82, 84" was deleted and replaced with --IC2, IC3--.

On page 13, line 19, the term "80" was deleted and replaced with --IC1--.

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On page 13, line 22, the term "80" was deleted and replaced with --IC1--.

On page 13, line 24, the term "80" was deleted and replaced with --IC1--.

On page 13, line 26, the term "80" was deleted and replaced with --IC1--.

On page 14, line 1, the term "80" was deleted and replaced with --IC1--
and the term "82" was deleted and replaced with --IC2--.

On page 14, line 3, the term "82" was deleted and replaced with --IC2--.

On page 14, line 7, the term "82" was deleted and replaced with --IC2--.

On page 14, line 12, the term "82" was deleted and replaced with --IC2--.

On page 14, line 13, the term "84" was deleted and replaced with --IC3--.

On page 14, line 15, the term "84" was deleted and replaced with --IC3--.

On page 15, line 28, the term "80, 82, 84" was deleted and replaced with
--IC1, IC2, IC3--.

On page 16, line 23, the phrase "copending application Serial No.
09/132,002" was deleted and replaced with --U.S. Patent No. 6,883,425 B2--.

On page 16, line 26, the phrase "application Serial No. 10/243,177" was
deleted and replaced with --U.S. Patent No. 6,883,425 B2--.

On page 16, line 27, the phrase "Serial No. 10/243,177" was deleted and
replaced with --U.S. Patent No. 6,883,425 B2--.

On page 17, line 20, the term "L" was deleted and replaced with --R--.

IN THE SPECIFICATION AMENDMENT DATED 10/17/2005:

With respect to the replacement paragraph appearing on pages 6-7 of the amendment (to replace the paragraph in the specification beginning on page 12, line 13 and continuing over to the top of page 13), the following changes should be made:

On page 6, line 3 of amendment, the term "80" was deleted and replaced with --IC1--.

On page 6, line 6 of the amendment, the term "80" was deleted and replaced with --IC1--.

On page 6, line 9 of the amendment, the term "film 80" was deleted and replaced with --carrier IC1--.

On page 6, line 10 of the amendment, the term "film 80" was deleted and replaced with --carrier IC1-- and the term "82" was deleted and replaced with --IC2--.

On page 6, line 11 of the amendment, the term "80" was deleted and replaced with --IC1--.

On page 6, line 13 of the amendment, the term "80" was deleted and replaced with --IC1--.

On page 6, line 16 of the amendment, the term "82" was deleted and replaced with --IC2-- and the term "80" was deleted and replaced with --IC1--.

On page 6, line 18 of the amendment, the term "82" was deleted and replaced with --IC2-- and the term "80" was deleted and replaced with --IC1--.

On page 6, line 19 of the amendment, the term "82" was deleted and replaced with --IC2--.

On page 6, line 24 of the amendment, the term "80" was deleted and replaced with --IC1--.

On page 6, line 25 of the amendment, the term "84" was deleted and replaced with --IC3-- and the term "82" was deleted and replaced with --IC2--.

On page 7, line 2 of the amendment, the term "80" was deleted and replaced with --IC1--.

On page 7, line 3 of the amendment, the term "82" was deleted and replaced with --IC2-- and the term "80" was deleted and replaced with --IC1--.

On page 7, line 4 of the amendment, the term "84" was deleted and replaced with --IC3-- and the term "82" was deleted and replaced with --IC2--.

On page 7, line 5 of the amendment, the term "80, 82, 84" was deleted and replaced with --IC1, IC2, IC3--.

The above specification changes were made to clear up various minor informalities.

IN THE CLAIMS:

In claim 16, line 1, the term "43" was deleted and replaced with --41--.

In claim 17, line 2, the term --support-- was inserted before "arm".

In claim 17, line 3, the term --a-- was inserted after "in".

In claim 17, line 8, the term --first-- was inserted before “light” (first occurrence).

In claim 17, line 9, the term --first-- was inserted before “positive”.

In claim 17, line 11, the term --first-- was inserted before “positive”.

In claim 17, line 13, the term --first-- was inserted before “positive” (both occurrences).

In claim 19, line 4, the term “the” was deleted and replaced with --to--.

In claim 20, line 2, the term “a” was deleted and replaced with --at least one-- and the term --first-- was inserted before “positive”.

In claim 22, line 1, the term “comprising” was deleted and replaced with the phrase --wherein said at least one printing screen comprises--.

In claim 23, line 3, a period --. was inserted at the end of the line.

In claim 29, line 5, the term “it” was deleted and replaced with --the printing screen--.

In claim 30, line 2, the term “the” (third occurrence) was deleted and replaced with --each--.

In claim 30, line 4, the term “the” (first occurrence) was deleted and replaced with --each--.

Claim 31 has been canceled.

Claim 33 has been canceled.

In claim 34, line 1, the term “33” was deleted and replaced with --43--.

In claim 34, line 2, the phrase --located in-- was inserted before “the” (first occurrence).

In claim 35, line 1, the term “33” was deleted and replaced with --43--.

In claim 35, line 2, the term --elongated-- was inserted before “tubular”.

Claim 36 has been canceled.

In claim 37, line 1, the term “36” was deleted and replaced with --44-- and the term “a” was deleted.

In claim 37, line 2, the phrase “printing screen positionable on the exposure unit and” was deleted.

In claim 37, line 4, the term “switches” was deleted and replaced with --switch--.

In claim 39, line 8, the term --first-- was inserted before “positive”.

In claim 40, line 14, the phrase --mounted on the frame for rotation about a vertical axis, said printing screen support-- was inserted before “comprising”.

In claim 40, line 16, the quotation mark (”) was deleted.

In claim 40, line 17, the quotation mark (”) was deleted.

In claim 42, lines 12-13 were deleted in their entirety and replaced with the following language:

-- a second light transmitting, positive image carrier positionable on the first light transmitting positive image carrier, said second positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings

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serving to position the second positive image carrier in a predetermined position on the top of the first positive image carrier and on top of the exposure unit;

a second positive image positioned at a predetermined location on the second positive image carrier relative to the first positive image on the first positive image carrier;

a first printing screen and a second printing screen selectively positionable, one at a time, over the exposure unit;

a common support for the first and second printing screens and the exposure unit, wherein each printing screen is positioned at a predetermined position on the exposure unit, and

a connector between the common support for the exposure unit each printing screen which includes a detachable pin and socket connection adapted to allow each printing screen to be detached from the support and then reattached to the support at substantially the same position that the printing screen previously occupied.--

The following new claims 43 and 44 have been added.

43. (new) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a light below the top, and a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend upwardly from said frame member and said frame member further including an end and an elongated tubular member having a center passageway opening at said end;

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a light transmitting, positive image carrier positionable on said light transmitting top, said positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the positive image carrier in a predetermined position on the top of the exposure unit;

a positive image positioned at a predetermined location on the positive image carrier;

a printing screen positionable above the positive image carrier and on the top of the exposure unit;

a common support for the exposure unit and the printing screen comprising a transverse frame member and an elongated arm connected to a central portion of the transverse frame member and extending from the transverse frame member into the center passageway of the elongated tubular member;

the printing screen having an end member positioned contiguous with said transverse frame member; and

a plurality of pins and sockets for detachably connecting the end member of the printing screen to the transverse frame member to allow the printing screen to be detached from the support and then reattached to the support at the same position that the printing screen previously occupied.

44. (new) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a plurality of spaced apart black lights and a plurality of spaced apart white lights each located below the top, reflectors below the black lights, and window openings in the reflectors located above the white lights, the exposure unit further comprising a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend upwardly from said frame member;

a light transmitting, positive image carrier positionable on said light transmitting top, said positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the positive image carrier in a predetermined position on the top of the exposure unit;

a positive image positioned at a predetermined location on the positive image carrier;

a printing screen positionable above the positive image carrier and the exposure unit;

a common support for the exposure unit and the printing screen; and

a connector between the common support for the exposure unit and the printing screen which includes a detachable pin and socket connection adapted to allow the printing screen to be detached from the support and then reattached to the support at the same position that the printing screen previously occupied.

The claim changes to claims 16, 17, 19, 20, 22, 23, 29, 30, and 39 were made to clear up various minor informalities and insure the claims are clear and have proper antecedent basis for all of the claim terminology. Claim 31 was canceled since it was a duplicate of claim 30. Claim 40 was amended to include language that appeared to be inadvertently left out by applicant when claim 40 was drafted (since applicant stated that claim 40 is claim 11 rewritten in independent form). Similarly, claim 42 has been amended since it appears that applicant inadvertently left out a large amount of text (since applicant stated that claim 42 is claim 14 rewritten in independent form).

Rejoinder of Withdrawn Claims

It is noted that claim 41 is generic and allowable. Therefore, previously withdrawn claims 33 and 36 have been amended to include the limitations of the allowable generic claim 41 and are hereby rejoined. In particular, note Claim 33 has been canceled and rewritten as new claim 43, including the


allowable subject matter of generic claim 41. Additionally, claim 36 has been canceled and rewritten as new claim 44, including the allowable subject matter of generic claim 41. Note the dependent claims 34-35 have been amended to depend upon new claim 43 and dependent claim 36 has been amended to depend upon new claim 44.

Since all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement (election of species) made in the Office action mailed on February 22, 2005 is hereby withdrawn.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Leslie J. Evanisko** whose telephone number is **(571) 272-2161**. The examiner can normally be reached on M-Th 7:30 am-6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H. Hirshfeld can be reached on (571) 272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Leslie J. Evanisko
Primary Examiner
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lje
December 9, 2005